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片 山 健 一 教 授

Professor Dr. Ken-ichi Katayama

## Emeritus Professor Ken-ichi Katayama

On the 31st of March in 1991, Dr. Ken-ichi Katayama retired after 19 years of service at Kyoto University. He was granted the title of Emeritus Professor by the University on the next day.

Dr. Katayama was born in Osaka on August 25, 1927. He graduated from the Faculty of Science, Kyoto University, on March, 1950, with his major in physics. After graduation, he served as a staff member in Osaka Municipal Technical Research Institute from June of the same year till February 1952, when he moved to the Asahi Chemical Industry Co., Ltd. He joined the Institute for Chemical Research, Kyoto University, as an associate professor on April, 1972. He received a doctoral degree of science from Kyoto University in 1961 for his structural study on polymer crystals by X-ray diffraction.

Dr. Katayama was promoted to a full professor of the Institute in January, 1978, to direct the Laboratory of Polymer Crystals. He has given lectures on polymer crystals since 1973 at the Graduate School of Engineering and supervised dissertation works of many graduate students. Dr. Katayama has been a visiting lecturer at several universities such as Osaka University, Okayama University, Gifu University and Nagoya Institute of Technology.

During his research career, Dr. Katayama devoted himself to the study on the structure and morphology of polymers in the solid state by X-ray and electron diffraction and by electron microscopy. He clarified the mechanism of the structural formation in fiber spinning by using a high power X-ray source to examine its process *in situ* dynamically. He was awarded the Society of Fiber S & T, Japan Prize for Excellence Fiber Research in 1979 for this pioneering work. In 1982, he succeeded in obtaining the high-resolution electron micrograph of single crystals of poly-*p*-xylylene, revealing an array of chain molecules, and exploited the field of high-resolution electron microscopy of polymer crystals.

Dr. Katayama served as a vice-President of the Society of Fiber Science and Technology, Japan, for two years since April, 1988. He actively participated in International Conferences inside and outside Japan as a member of the executive committee, and contributed greatly to the development of international scientific exchanges. He also contributed to edit scientific journals as an executive editor or a member of advisory board.

Because of his sincere, thoughtful and warm personality, Dr. Katayama wins the respect of all people who are in contact with him.

The collection of papers by his colleagues, former and present associates and students is dedicated to Dr. Katayama in honor of his retirement.

June, 1991

*Sumio Sakka*

Sumio Sakka

Director

Institute for Chemical Research  
Kyoto University

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